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Notice of Allowability	Application No.	Applicant(s)	
	09/540,475	DAGDEVIREN, NURI R.	
	Examiner	Art Unit	
	YOUNG T. TSE	2611	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed 14 June 2007.
2. ☒ The allowed claim(s) is/are 1-3, 5-26, 28-39, 41-61, 63, 64 and 66-115.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| <ol style="list-style-type: none"> 1. <input type="checkbox"/> Notice of References Cited (PTO-892) 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | <ol style="list-style-type: none"> 5. <input type="checkbox"/> Notice of Informal Patent Application 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment 8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance 9. <input type="checkbox"/> Other _____ |
|---|--|

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. J. Joel Justiss on June 21, 2007.

The application has been amended as follows:

In claim 8, lines 1 and 2, "each of" and "index are" has been changed to "each index of" and "is", respectively.

In claim 10, lines 1 and 2, "each of" and "index are" have been changed to "each index of" and "is", respectively.

In claim 13, line 1, "a mapper" has been changed to "the mapper".

In claim 18, line 2, "the mapped constellation signal" has been changed to "a mapped constellation signal".

In claim 18, line 10, "a mapped constellation signal" has been changed to "the mapped constellation signal".

In claim 21, lines 1 and 2, "each of" and "index is" have been changed to "each index of" and "is", respectively.

In claim 23, lines 1 and 2, "each of" and "index is" have been changed to "each index of" and "is", respectively.

In claim 32, line 4, "the maximum" has been changed to "the maximum level".

In claim 33, line 2, "a table" has been changed to "the table".

In claim 37, line 2, "a table" has been changed to "the table".

In claim 54, line 1, "claim 49" has been changed to "claim 52".

In claim 56, lines 1-2, "further comprising the precoder" has been changed to "wherein the precoder includes a table".

In claim 61, line 1, "claim 60" has been changed to "claim 54".

Claim 65 has been canceled.

In claim 73, line 4, "basic_const goes from -1 to -k" has been deleted.

In claim 85, line 4, "basic_const goes from -1 to -k" has been deleted.

In claim 92, lines 1-2, "further comprising the precoder" has been changed to "wherein the precoder includes a table".

In claim 93, line 1, "a mapper" has been changed to "the precoder".

In claim 98, lines 1-2, "further comprising the precoder" has been changed to "wherein the precoder includes a table".

In claim 110, line 1, "a mapper" has been changed to "the precoder".

In claim 111, line 1, "a mapper" has been changed to "the precoder".

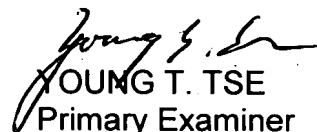
In claim 113, line 1, "the mapper" has been changed to "the precoder".

Any inquiry concerning this communication or earlier communications from the examiner should be directed to YOUNG T. TSE whose telephone number is (571) 272-3051. The examiner can normally be reached on Monday-Friday.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jay Patel can be reached on (571) 272-2988. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.


YOUNG T. TSE
Primary Examiner
Art Unit 2611